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PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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**NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

(PCT Rule 71.1)

**BLAKELY, SOKOLOFF, TAYLOR
LOS ANGELES**

ZAFMAN

Date of Mailing
(day/month/year)

26 SEP 2001

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|---|---|--|--|
| Applicant's or agent's file reference 42390.P7934PCT | | IMPORTANT NOTIFICATION | |
| International application No. PCT/US00/28213 | International filing date (day/month/year) 11 OCTOBER 2000 | Priority Date (day/month/year) 09 DECEMBER 1999 | |
| Applicant INTEL CORPORATION | | | |

NO DOCKETING REQUIRED

Docketing Mgr.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

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|--|---|
| Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230 | Authorized officer DENNIS M. BUTLER Telephone No. (703) 305-3900 <i>Jamica R. Matthees</i> |
|--|---|

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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| Applicant's or agent's file reference 42390.P7934PCT | FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) | |
| International application No. PCT/US00/28213 | International filing date (day/month/year) 11 OCTOBER 2000 | Priority date (day/month/year) 09 DECEMBER 1999 |
| International Patent Classification (IPC) or national classification and IPC IPC(7): G06F 1/08 and US Cl.: 713/601 | | |
| Applicant INTEL CORPORATION | | |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

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| Date of submission of the demand 08 JUNE 2001 | Date of completion of this report 26 AUGUST 2001 |
| Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 | Authorized officer DENNIS M. BUTLER <i>James R. Matthews</i> Telephone No. (703) 305-3900 |
| Facsimile No. (703) 305-3230 | |

I. Basis of the report**1. With regard to the elements of the international application:*** the international application as originally filed the description:pages 1-53, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____ the claims:pages 54-60, as originally filed
pages NONE, as amended (together with any statement) under Article 19
pages NONE, filed with the demand
pages NONE, filed with the letter of _____ the drawings:pages 1-23, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____ the sequence listing part of thedescription: NONE, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____**2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is:**

the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
 the language of publication of the international application (under Rule 48.3(b)).
 the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international

contained in the international application in printed form.
 filed together with the international application in computer readable form.
 furnished subsequently to this Authority in written form.
 furnished subsequently to this Authority in computer readable form.
 The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

the description, pages NONE
 the claims, Nos. NONE
 the drawings, sheets/fig NONE

5. This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

**Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/28213

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. statement

Novelty (N)

Claims 1-25

YES

Claims NONE

NO

Inventive Step (IS)

Claims 1-25

YES

Claims NONE

NO

Industrial Applicability (IA)

Claims 1-25

YES

Claims NONE

NO

2. citations and explanations (Rule 70.7)

Claims 1-25 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method, apparatus or machine readable medium which maintains an indication of a pending event with respect to each of multiple threads supported in a multithreaded processor, maintains an indication of an active or inactive state for each of the multiple threads supported in the multithreaded processor, detects a clock disable condition indicated by the indication of no pending events and an inactive state for each of the multiple threads, and disabling a clock signal, if enabled, of at least one functional unit within the multithreaded processor responsive to the detection of the clock disable condition as recited in independent claims 1, 12 and 24-25.

----- NEW CITATIONS -----

A US 6,088,788 A (BORKENHAGEN ET AL) 11 JULY 2000, see col. 5, lines 11-47.

A US 6,052,708 A (FLYNN ET AL) 18 APRIL 2000, see col. 2, lines 26-37.

A US 5,892,959 A (FUNG) 06 APRIL 1999, see col. 3, lines 1-67.